

SEQUENCE LISTING

5 SEQ ID NO: 1 is primate GPR2 nucleotide sequence.
SEQ ID NO: 2 is primate GPR2 amino acid sequence.
SEQ ID NO: 3 is rodent GPR2 nucleotide sequence.
SEQ ID NO: 4 is rodent GPR2 amino acid sequence.
SEQ ID NO: 5 is primate Vic nucleotide sequence.
10 SEQ ID NO: 6 is primate Vic amino acid sequence.
SEQ ID NO: 7 is alternative primate Vic nucleotide sequence.
SEQ ID NO: 8 is alternative primate Vic amino acid sequence.
SEQ ID NO: 9 is rodent Vic nucleotide sequence.
SEQ ID NO: 10 is rodent Vic amino acid sequence.
15 SEQ ID NO: 11 is primate CTACK nucleotide sequence.
SEQ ID NO: 12 is primate CTACK amino acid sequence.
SEQ ID NO: 13 is rodent CTACK nucleotide sequence.
SEQ ID NO: 14 is rodent CTACK amino acid sequence.
SEQ ID NO: 15 provides a primate actin PCR primer sequence.
20 SEQ ID NO: 16 provides a primate actin PCR primer sequence.

25 <110> Wang, Wei
 Oldham, Elizabeth R.
 Soto, Hortensia
 Liu, Ying
 Hudak, Susan A.
 Homey, Bernhard
 Morales, Janine M.
 Kellermann, Sirid-Aimee
30 McEvoy, Leslie M.
 Bowman, Edward P.
 Zlotnik, Albert

35 <120> Chemokine and Receptor Uses; Compositions; Methods
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 <170> PatentIn Ver. 2.0

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	Asp Leu Leu Ala Ala Arg Glu Arg Ser Cys Pro Ala Ser Lys Arg Lys			
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Thr His Leu Ala Ala Arg Arg Thr Thr Arg Ser Pro Thr Ser Val His
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55 Leu Asn Pro Val Leu Tyr Ala Phe Leu Gly Leu Arg Phe Arg Arg Asp
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 Arg Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu Ala Ala Val Ile Leu
 30 35 40
 50 cat gtc aag cgc aga aga atc tgt gtc agc ccg cac aac cat act gtt 298
 His Val Lys Arg Arg Ile Cys Val Ser Pro His Asn His Thr Val
 45 50 55
 55 aag cag tgg atg aaa gtg caa gct gcc aag aaa aat ggt aaa gga aat 346
 Lys Gln Trp Met Lys Val Gln Ala Ala Lys Lys Asn Gly Lys Asn
 60 65 70 75
 gtt tgc cac agg aag aaa cac cat ggc aag agg aac agt aac agg gca 394
 Val Cys His Arg Lys Lys His His Gly Lys Arg Asn Ser Asn Arg Ala
 80 85 90

cat cag ggg aaa cac gaa aca tac ggc cat aaa act cct tat 436
His Gln Gly Lys His Glu Thr Tyr Gly His Lys Thr Pro Tyr
95 100 105

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10 taaatctcca agaatgccat ttcccttatcc ctaatgattc aatctccctt accctgacca 616
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Cys Arg Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu Ala Ala Val Ile
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35 Leu His Val Lys Arg Arg Ile Cys Val Ser Pro His Asn His Thr
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Val Lys Gln Trp Met Lys Val Gln Ala Ala Lys Lys Asn Gly Lys Gly
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10 agg gag cgg agt ccg atg tct cca aca agc cag aga cta agt ctg gaa 144
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25 cag ctc tat aga cag cca ctc cca agc agg ctg ctg agg agg att gtc 288
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30 cac atg gaa ctg cag gag gcc gat ggg gac tgt cac ctc cag gct gtc 336
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 100 105 110

35 gtg ctt cac ctg gct cgg cgc agt gtc tgt gtt cat ccc cag aac cgc 384
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 115 120 125

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Gln Lys Gln Glu Ala Leu Pro Leu Pro Ser Ser Thr Ser Cys Cys Thr
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10 Gln Leu Tyr Arg Gln Pro Leu Pro Ser Arg Leu Leu Arg Arg Ile Val
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Cys Ser Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu Ala Ala Val Ile
30 35 40

ctt cat gtt aaa cgt aga aga atc tgc atc agc ccg cac aat cgt act 240
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Leu Lys Gln Trp Met Arg Ala Ser Glu Val Lys Lys Asn Gly Arg Glu
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10 aac gtc tgt tct ggg aaa aaa caa ccc agc agg aag gac aga aaa ggg 336
Asn Val Cys Ser Gly Lys Lys Gln Pro Ser Arg Lys Asp Arg Lys Gly
75 80 85 90

15 cac act acg aga aag cac aga aca cgt gga aca cac agg cac gaa gcc 384
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tct cgt tag 393
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Cys Ser Ile Gln Arg Ala Asp Gly Asp Cys Asp Leu Ala Ala Val Ile
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Leu Ser Pro Asp Pro Thr Ala Ala Phe Leu Leu Pro Pro Ser Thr Ala	96	
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25 aag gtc atc cag gtg gaa ctg cag gag gct gac ggg gac tgt cac ctc

Lys Val Ile Gln Val Glu Leu Gln Glu Ala Asp Gly Asp Cys His Leu	192		
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30 cag gct ttc gtg ctt cac ctg gct caa cgc agc atc tgc atc cac ccc

Gln Ala Phe Val Leu His Leu Ala Gln Arg Ser Ile Cys Ile His Pro	240	
45	50	55

35 cag aac ccc agc ctg tca cag tgg ttt gag cac caa gag aga aag ctc

Gln Asn Pro Ser Leu Ser Gln Trp Phe Glu His Gln Glu Arg Lys Leu	288	
60	65	70

40 cat ggg act ctg ccc aag ctg aat ttt ggg atg cta agg aaa atg ggc

His Gly Thr Leu Pro Lys Leu Asn Phe Gly Met Leu Arg Lys Met Gly	336	
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-5	-1	5
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55 Cys Cys Thr Gln Leu Tyr Arg Lys Pro Leu Ser Asp Lys Leu Leu Arg

10	15	20
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Lys Val Ile Gln Val Glu Leu Gln Glu Ala Asp Gly Asp Cys His Leu

25	30	35	40
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Gln Ala Phe Val Leu His Leu Ala Gln Arg Ser Ile Cys Ile His Pro
 45 50 55

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 5 10 15

40 ctc cca agc agg ctg ctg agg agg att gtc cac atg gaa ctg cag gag 196
 Leu Pro Ser Arg Leu Leu Arg Arg Ile Val His Met Glu Leu Gln Glu
 20 25 30

45 gcc gat ggg gac tgt cac ctc cag gct gtc gtg ctt cac ctg gct cg 244
 Ala Asp Gly Asp Cys His Leu Gln Ala Val Val Leu His Leu Ala Arg
 35 40 45

50 cgc agt gtc tgt gtt cat ccc cag aac cgc agc ctg gct cgg tgg tta 292
 Arg Ser Val Cys Val His Pro Gln Asn Arg Ser Leu Ala Arg Trp Leu
 50 55 60 65

55 gaa cgc caa ggg aaa agg ctc caa ggg act gta ccc agt tta aat ctg 340
 Glu Arg Gln Gly Lys Arg Leu Gln Gly Thr Val Pro Ser Leu Asn Leu
 70 75 80

gta cta caa aag aaa atg tac tca aac ccc caa cag caa aac 382
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15 Ser Cys Cys Thr Gln Leu Tyr Arg Gln Pro Leu Pro Ser Arg Leu Leu
10 15 20
Arg Arg Ile Val His Met Glu Leu Gln Glu Ala Asp Gly Asp Cys His
25 30 35
20 Leu Gln Ala Val Val Leu His Leu Ala Arg Arg Ser Val Cys Val His
40 45 50 55
Pro Gln Asn Arg Ser Leu Ala Arg Trp Leu Glu Arg Gln Gly Lys Arg
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